



Multimedia, Multipathway, and Multireceptor Risk Assessment (3MRA) Modeling System

Volume I: Modeling System and Science

Multimedia, Multipathway, and Multireceptor Risk Assessment (3MRA) Modeling System

Volume I: Modeling System and Science

prepared by

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This document is the first volume of a five-volume set. This volume describes the conceptual design, scientific rationale, and supporting data that are the foundation for the 3MRA modeling system. Volume II describes the data developed and used to run the 3MRA modeling system. Volume III describes the approach to quality assurance, including verification and validation activities ranging from extensive peer reviews to multimedia model comparisons. Volume IV describes the methodology used to evaluate sensitivity of model parameters and characterize different types of uncertainty in the 3MRA modeling system. Volume V describes the technology design and includes a user's guide.

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